

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Amended) The vessel assembly of claim ~~1~~ 26 wherein the wall of the barrel is provided with an elongated opening.
3. (Original) The vessel assembly of claim 2 wherein a closure member is inserted into the elongated opening of the wall of the barrel to permit movement of the valve member between the closed position and the open position.
4. (Cancelled)
5. (Currently Amended) The vessel assembly of claim ~~4~~ 26 wherein at least one of the inner barrel and the outer barrel is adapted to rotate relative to the other one of the inner barrel and the outer barrel for moving the valve assembly between the open and closed position.

6. (Currently Amended) The vessel assembly of claim ~~1~~26 wherein the wall of the barrel is threaded.

7. (Currently Amended) The vessel assembly of claim ~~4~~26 wherein the walls of the inner and outer barrels ~~are defined as~~ have sidewalls.

8. (Currently Amended) The vessel assembly of claim ~~4~~26 wherein the walls of the inner and outer barrels ~~are defined as~~ have end walls.

9. (Currently Amended) The vessel assembly of claim ~~4~~26 wherein the wall of the inner barrel ~~is defined as~~ has a sidewall and the wall of the outer barrel ~~is defined as~~ has an end wall.

10. (Currently Amended) The vessel assembly of claim ~~4~~26 wherein the wall of the inner barrel ~~is defined as~~ has an end wall and the wall of the outer barrel ~~is defined as~~ has a sidewall.

11. (Cancelled)

12. (Currently Amended) The vessel assembly of claim ~~1~~26 wherein the fluid is defined as oil.

13. (Currently Amended) The vessel assembly of claim ~~± 26~~ wherein the vessel is a transformer housing.

14. (Currently Amended) The vessel assembly of claim ~~± 26~~ wherein the vessel is defined as a pipe.

15. (Currently Amended) The vessel assembly of claim ~~4-26~~ wherein an o-ring is positioned between the inner and outer barrels.

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) A ~~sensor assembly~~ device for obtaining sensor readings within a container having a sidewall defining a cavity and containing a fluid, the ~~sensor assembly~~ device comprising:

a sensor assembly for detecting or measuring a physical or chemical property of the fluid; and

a valve assembly adapted to be supported by the sidewall of the container such that at least a portion of the valve assembly extends into the cavity of the container, the valve assembly, comprising:

a barrel having a wall defining a chamber, the wall having at least one opening; and

a valve member having a threaded inner barrel for receiving the sensor assembly, the wall of the inner barrel having at least one opening therein, the valve member movable between a closed position and an open position wherein when the valve member is positioned in the open position the at least one opening in the wall of the inner barrel is aligned with and in fluid connection with the at least one opening in the wall of the outer barrel whereby fluid is permitted to flow into the chamber, and when the valve member is positioned in the closed position the at least one opening in the wall of the inner barrel of the valve member is aligned with the wall of the barrel whereby fluid is prevented from flowing into the chamber; and

~~movable between a closed position and an open position wherein when the valve member is positioned in the open position the fluid is permitted to flow into the chamber, and when the valve member is positioned in the closed position fluid is prevented from flowing into the chamber; and~~

~~a sensor for detecting or measuring a physical or chemical property of the fluid, the sensor removably disposed in the chamber of the barrel.~~

19. (Currently Amended) A valve assembly, comprising:  
a barrel having a wall defining a chamber having at least one opening, the barrel adapted to be supported by a sidewall of a container containing a fluid such that a portion of the wall having the at least one opening extends into the container; and  
a valve member having a threaded inner barrel for receiving a sensor assembly, the threaded inner barrel having a wall containing at least one opening therein, the valve member movable between a closed position and an open position wherein when the valve member is positioned in the open position the at least one opening in the wall of the inner barrel is aligned with and in fluid connection with the at least one opening in the wall of the outer barrel whereby the fluid is permitted to flow into the chamber, and when the valve member is positioned in the closed position the at least one opening in the wall of the inner barrel of the valve member is aligned with the wall of the barrel whereby fluid is prevented from flowing into the chamber.

20. (Currently Amended) The valve assembly of claim 19, wherein the barrel is characterized as an outer barrel, and wherein the valve member is defined further as an having the threaded inner barrel is disposed within the chamber of the outer barrel, ~~the threaded inner barrel having a wall defining a chamber, the wall of the inner barrel having at least one opening.~~

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (New) A vessel assembly, comprising:  
a vessel having a sidewall defining a cavity containing a fluid;  
a valve assembly supported by the sidewall of the vessel and extending into the cavity of the vessel, the valve assembly, comprising:

a barrel having an outer barrel, the barrel having a wall defining a chamber, the wall having at least one opening; and a valve member having a threaded inner barrel for receiving a sensor assembly, the threaded inner barrel having a wall having at least one opening therein, the valve member movable between a closed position and an open position wherein, when the valve member is positioned in the open position, the at least one opening in the wall of the inner barrel is aligned with and in fluid connection with the at least one opening in the wall of the outer barrel whereby fluid is permitted to flow into the chamber, and when the valve member is positioned in the closed position, the at least one opening in the wall of the inner barrel of the valve member is aligned with the wall of the barrel whereby fluid is prevented from flowing into the chamber.

27. (New) The vessel assembly of claim 26 wherein the at least one opening in the wall of the barrel is an elongated opening.